

Octadecanal

Chemical Properties

CAS No. : 638-66-4

Formula: C₁₈H₃₆O

Molecular Weight: 268.48

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Octadecanal (stearaldehyde) is present in the thigh and chest muscles.
Targets(IC50)	Endogenous Metabolite
In vivo	Supplementing octadecanal on the wings of octadecanal-rich <i>H. melpomene</i> males led to an increase in the time until mating[2].

Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble) (1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7247 mL	18.6234 mL	37.2467 mL
5 mM	0.7449 mL	3.7247 mL	7.4493 mL
10 mM	0.3725 mL	1.8623 mL	3.7247 mL
50 mM	0.0745 mL	0.3725 mL	0.7449 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

H.K.Gardner, et al. Identification and Quantitation of Hexadecanal and Octadecanal in Broiler Muscle Phospholipids. Poultry Science, 1972 May 1; 51(3):1056-1058.

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